Culligan®

Culligan® Commercial Reverse Osmosis Water Systems

assisted living facilities

cafeterias

casinos

corporate campuses

educational facilities

food service

grocery

hotel/hospitality

institutions

laundry

theme parks

vehicle wash

Culligan's Series LC Reverse Osmosis Water System

The Light Commercial Water Treatment Solution

Standard Features

- Self contained and compact for wall mounting installation.
- Thin Film Composite RO membranes—rejects significant amounts of dissolved minerals, as well as colloids, particles, organics and silica*
- Exclusive quick change membrane housings constructed of aluminum and lined with polyethylene for corrosion resistance.
- Hydraulic operation does not require electricity.
- Automatic Shut-off valve—to save water when the optional pressure storage tank is full.
- Cartridge prefiltration—with replaceable element to remove suspended particles (5 microns) to extend component life. Includes integral pressure relief valve.
- Waste Restrictor—A fixed flow restrictor maintains the proper recovery ratio of product-to-feed water flow.

*Do not use on water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after system.

Trust The Water Experts®

Culligan's LC Light Commercial RO System

Applications and Benefits

- Food & Beverage—Superior taste and increased cost savings.
- Ice Production/Drinking Water—Reduces scaling; improves taste and clarity.
- Restaurants—Improves steamer operation.
- Humidification—Reduces scaling and dusting.
- Grocery Stores—Prevents scaling in vegetable misters.
- Horticulture—Reduces leaf spotting and mineral build up in potting soils.
- Water Jet Cutting—Improves operating efficiency; extends orifice life.

Options

- Booster Pump Kit—To increase feed pressure by ~40 PSI. Includes pump, transformer, pressure switch and solenoid valve.
- TDS Monitor—"Press to test" indicator. Green light for good quality, red light for poor quality. Adjustable sensitivity via dipswitch selection. Battery operated.
- Granular Activated Carbon—prefiltration to reduce chlorine and organics.
- Product Water Storage Tanks

Warranty

Culligan's Series LC Reverse Osmosis Systems are backed by a one year limited warranty against defects in material and workmanship. See printed warranty for details. Culligan will provide a copy of the warranty upon request.

System Specifications

Inlet Pressure (dynamic)[1]:	60–120 psig 414–828 kPa
Temperature:	33–100°F 1 - 38°C
Turbidity, max.:	1.0 NTU
ph Range:	5-10
Free Chlorine[3]:	<0.1 ppm
Chloramine, max.[4]:	3 mg/L
Total Dissolved Solids, max.[2]:	2500 mg/L
Silt Density Index, max.:	3.0
Langlier Saturation Index, max.:	0.0
Iron, max.:	1.0 mg/L
Approximate Operating Wt.:	10-15 lbs.

Model	Features					
	Design[5] Recovery %	Automatic shut-off valve	5 micron prefilter	GAC prefilter	100 gpd* RO cartridge	200 gpd* RO cartridge
LC-1P	30%	√	√		√	
LC-1PC		√	√	√	√	
LC-2P		√	√			√
LC-2PC		√	√	√		√

*Approximate nominal capacity based on properly pretreated feed water of 600 ppm TDS as NaCl, 77° F, Silt Density Index below 3.0, and 60 psi applied pressure supplying water to atmosphere. Productivity will vary depending on the feed water conditions.

1 For units with inlet pressure lower than 50 psig a booster pump is recommended.
2 Where TDS exceeds 600 PPM (600mg/L) and the pressure less than 60 psig, a booster pump is recommended.
3 The reverse osmosis membrane used in this system will be damaged by chlorine. If your water supply contains chlorine, units with activated carbon filters must be used. Consult your local dealer about your chlorine content and filter capacity. For LC-1PC or LC-2PC units, influent chlorine should not exceed 3 mg/L.
4 The reverse osmosis membrane used in this system is chloramine tolerant. However, chloramines can produce free chlorine, which can damage the reverse osmosis membrane. When free chlorine is present, dechlorination (activated carbon filtration) is recommended.
5 Actual recovery will depend on feed water source, SDI, temperature and product back pressure.

"Hey Culligan Man!"®

Culligan
Trust the Water Experts®

www.culligan.com™

1-800-CULLIGAN

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